

FIG. 1

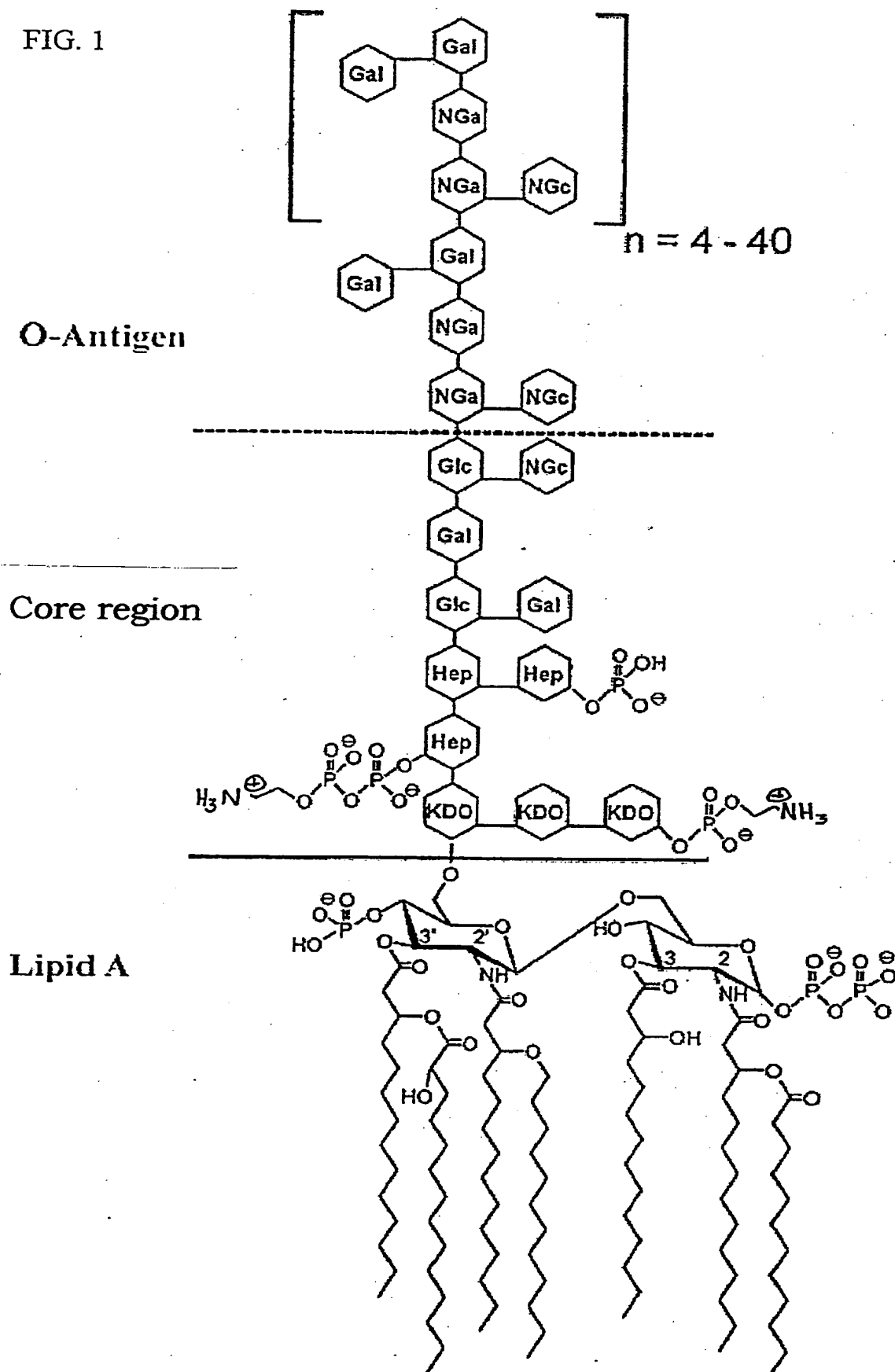


FIG. 2

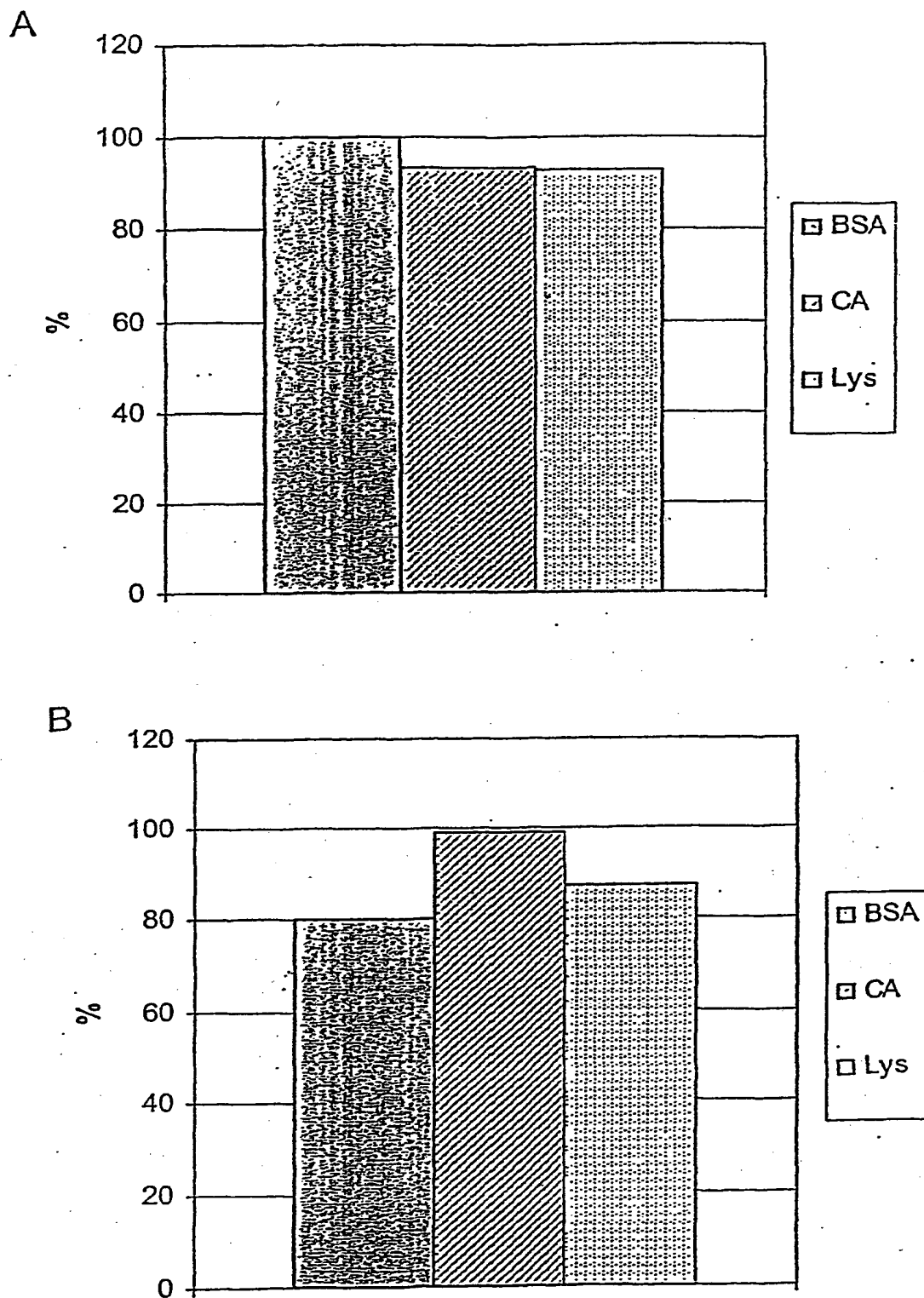


FIG. 3

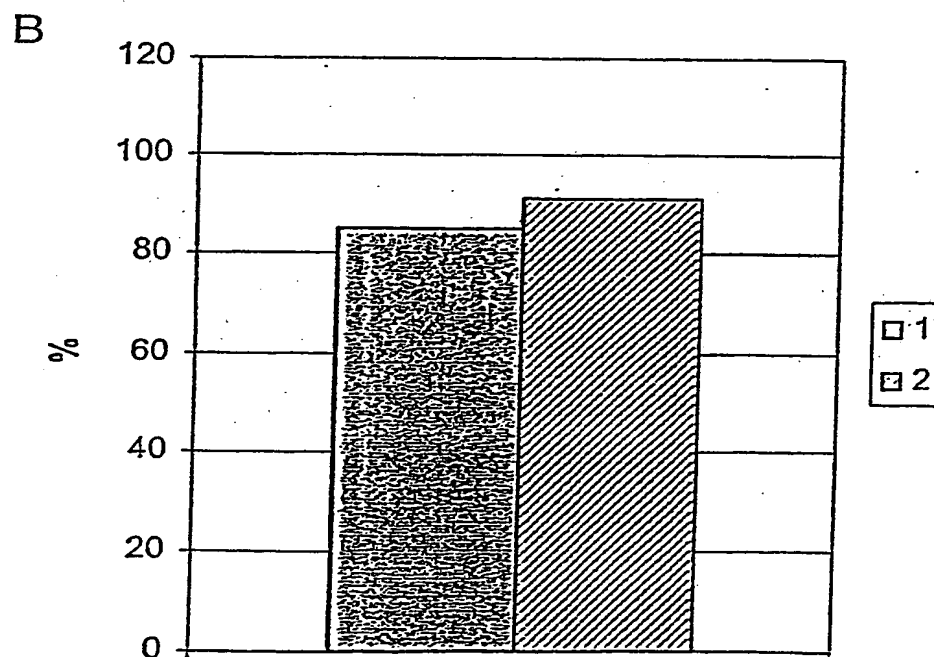
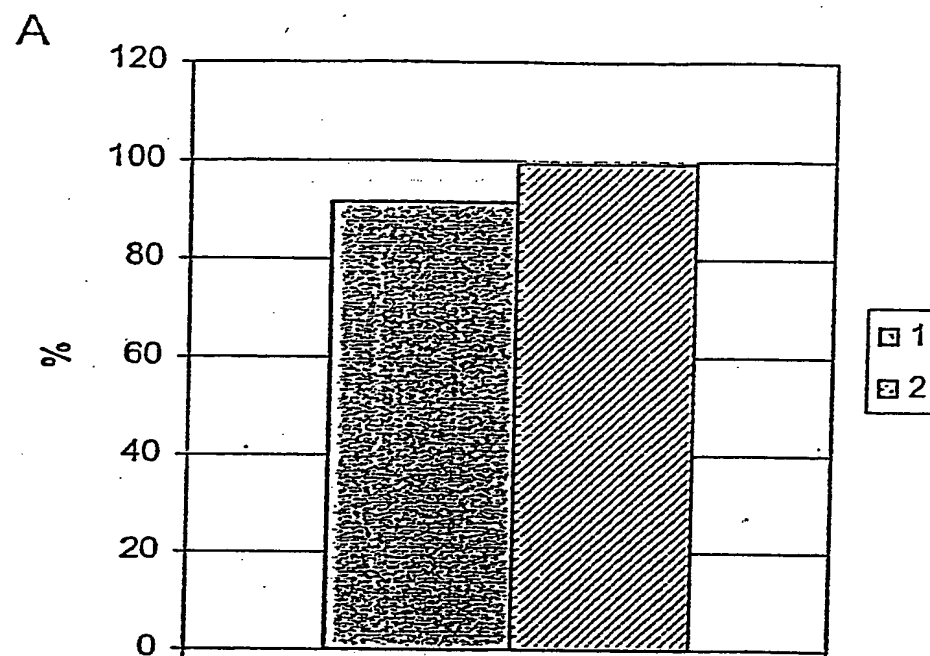


FIG. 4

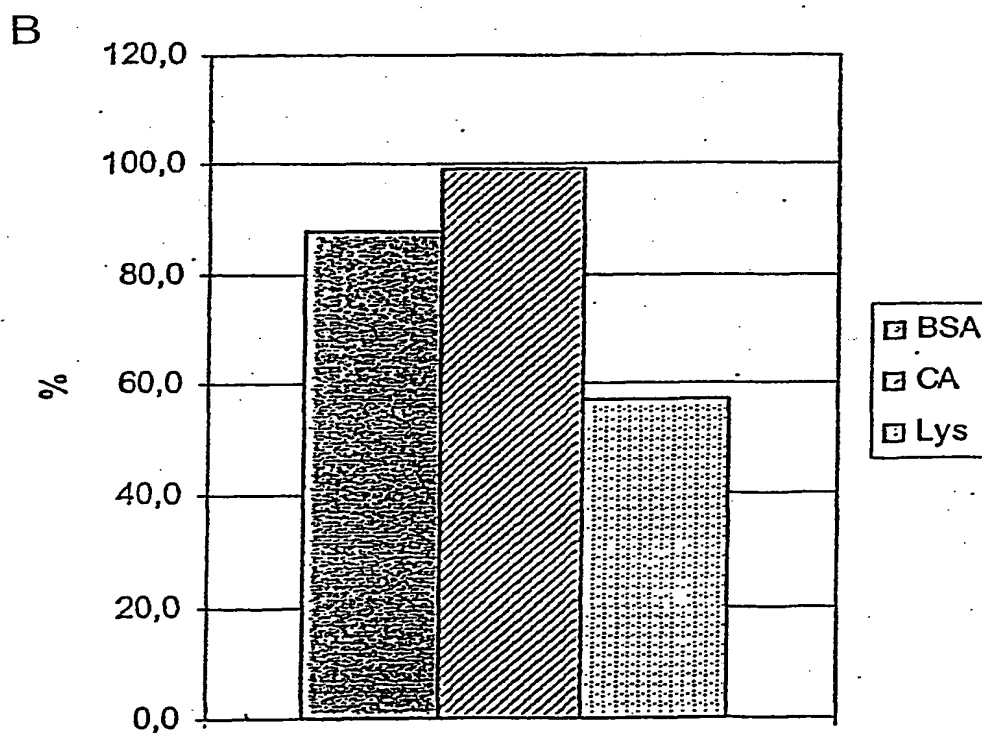
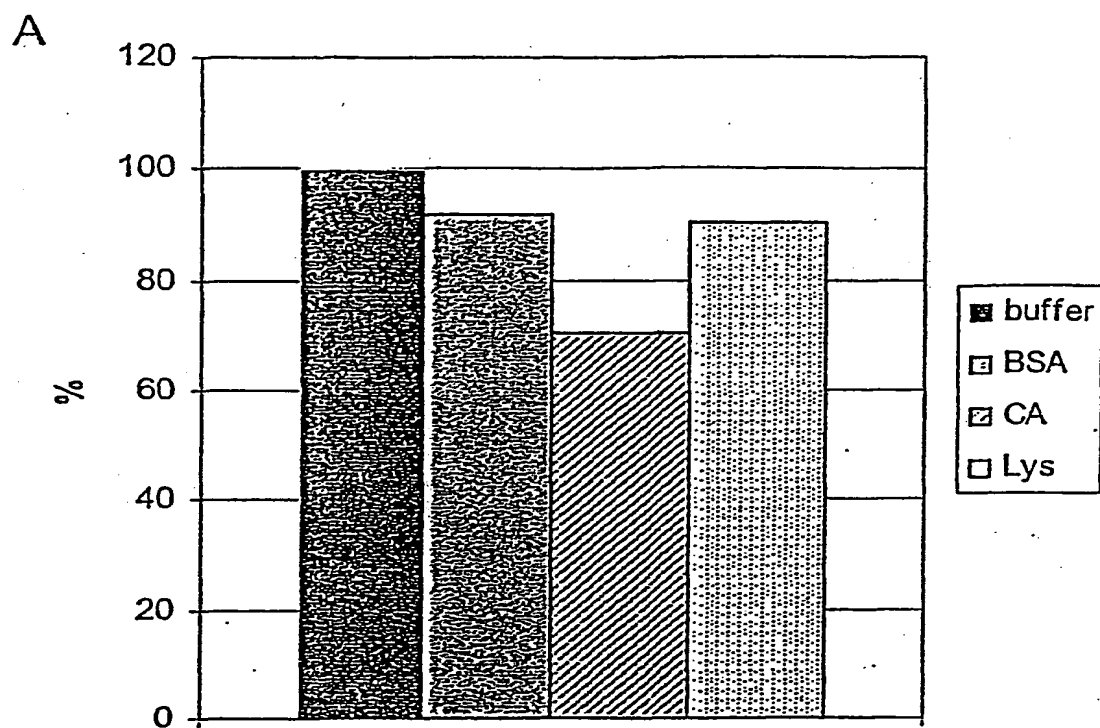


FIG. 5

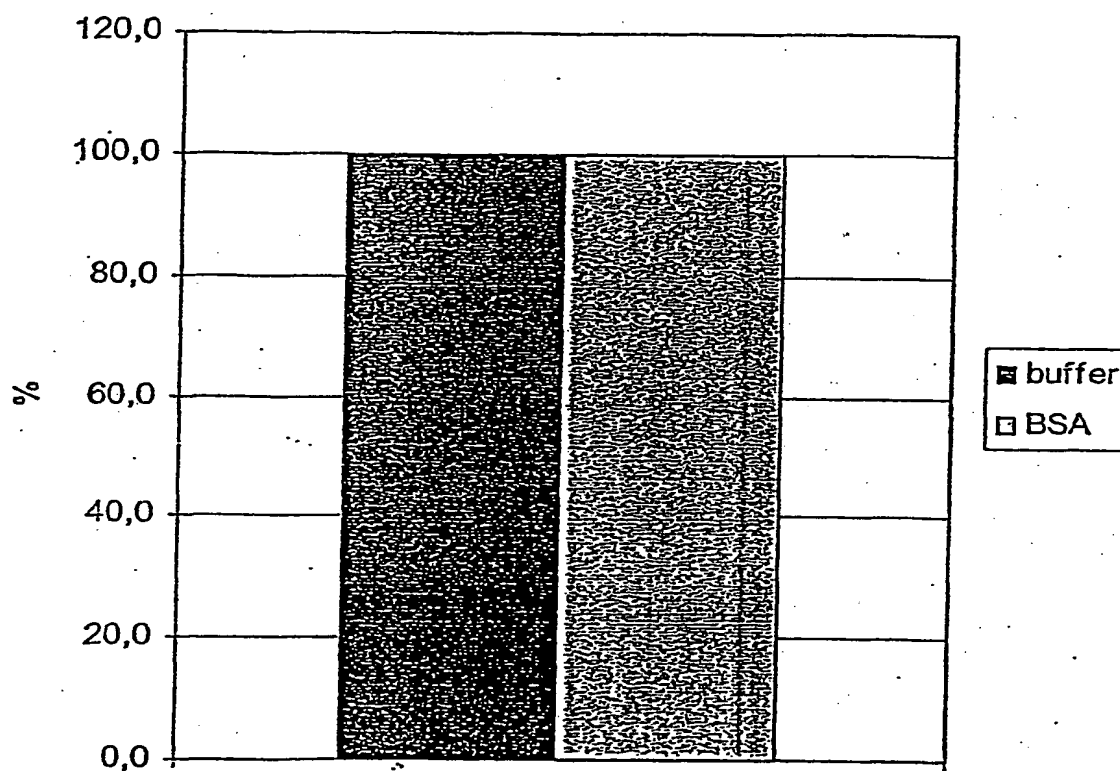


Figure 1 is a sensorgram showing the binding of p12 to E. coli. The y-axis represents RU (0 to 1200) and the x-axis represents time t (s) (-200 to 1200). The graph shows several curves representing different concentrations of p12. The binding of p12 to E. coli is observed as a sharp increase in RU starting at t = 0. The binding is reversible, as indicated by the decrease in RU after the addition of EDTA at t = 650 s. The control curve for E. coli alone shows no significant binding.

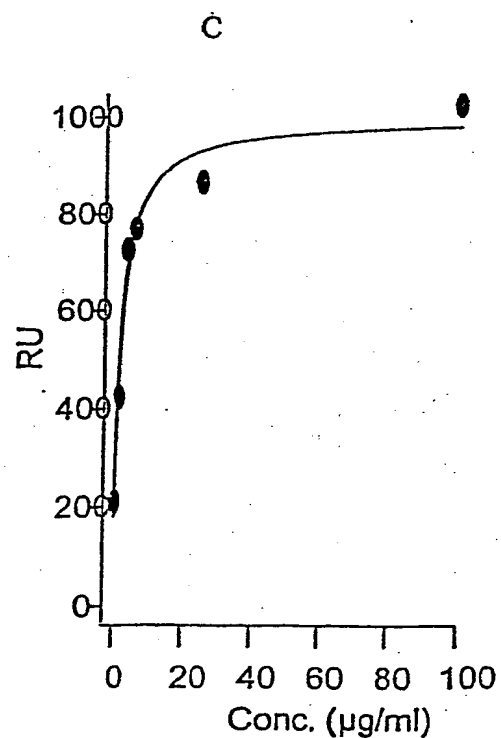
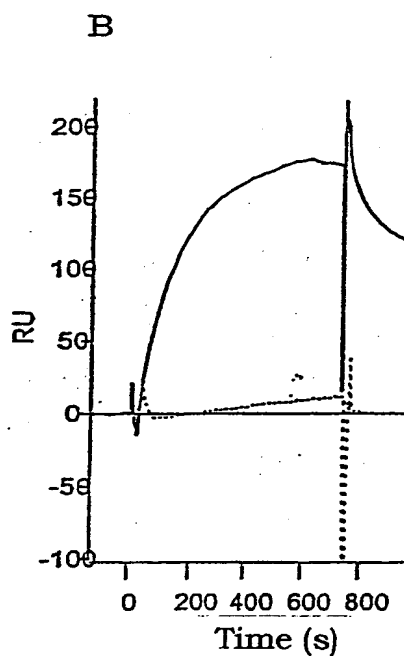


FIG. 7

Endotoxin structure	<i>E. coli</i> strain	p-12 bond
$\begin{array}{c} \text{KDO-LipidA} \\ \\ \text{KDO} \\ \\ \text{KDO} \end{array}$	D21f2	-
$\begin{array}{c} \text{Hep-Hep-KDO-LipidA} \\ \quad \\ \text{Hep} \quad \text{KDO} \\ \\ \text{KDO} \end{array}$	D21f1	+
$\begin{array}{c} \text{Glc-Hep-Hep-KDO-LipidA} \\ \quad \\ \text{Hep} \quad \text{KDO} \\ \\ \text{KDO} \end{array}$	D21e8	+
$\begin{array}{c} \text{Glc-Hep-Hep-KDO-LipidA} \\ \quad \quad \\ \text{Gal} \quad \text{Hep} \quad \text{KDO} \\ \\ \text{KDO} \end{array}$	D21e7	+
$\begin{array}{c} \text{GlcN-Glc-Glc-Glc-Glc-Hep-Hep-KDO-LipidA} \\ \quad \quad \\ \text{Gal} \quad \text{Hep} \quad \text{KDO} \\ \\ \text{KDO} \end{array}$	D21	+

pH	K_a
6.0	3.09 E-07
7.5	6.85 E-08
8.0	5.86 E-08
8.5	7.86 E-08
9.0	3.29 E-08
10.0	1.55 E-07

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Fig. 8

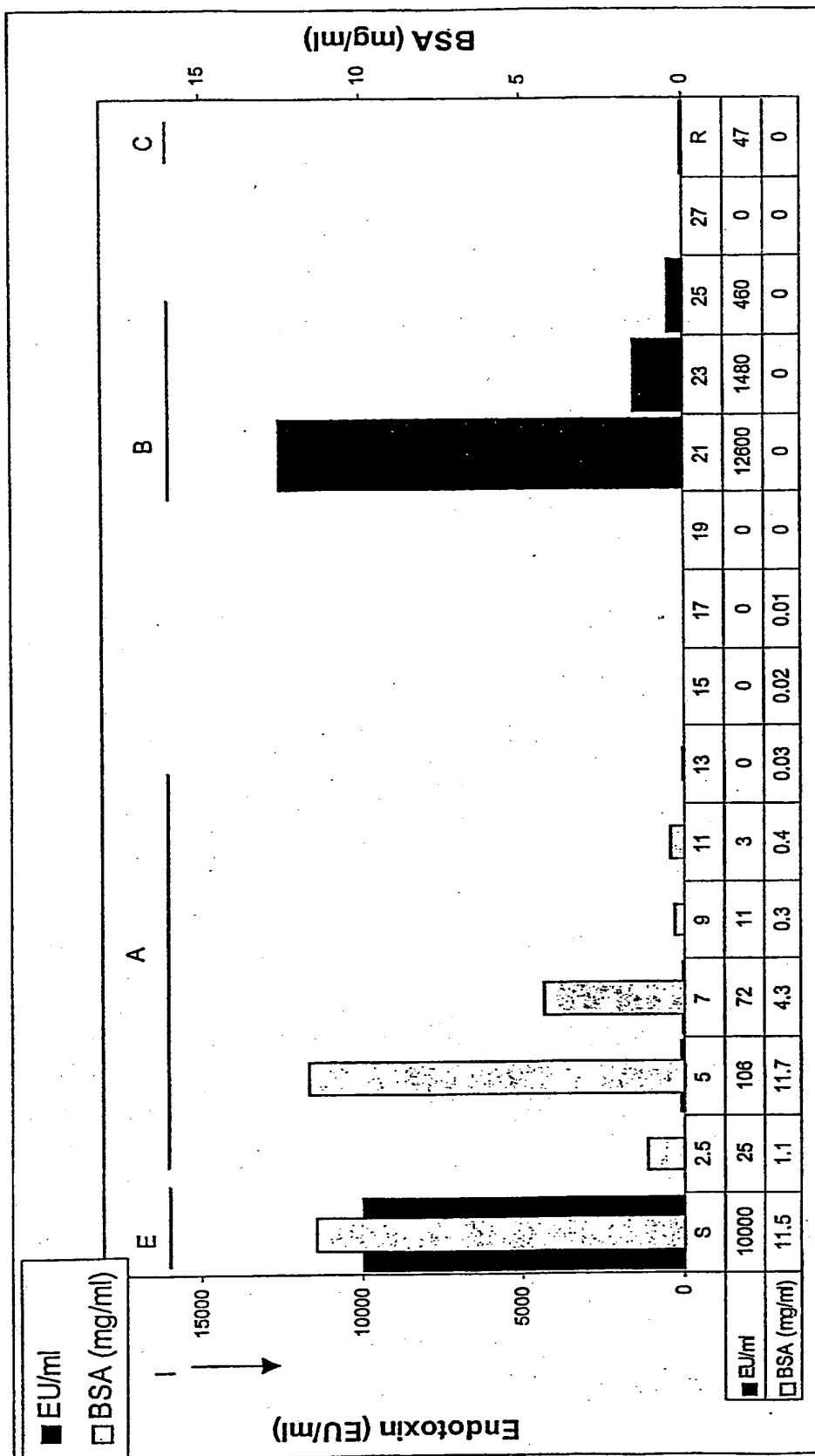


FIG. 9

